

What Is Claimed is:

sub a1

1. In a cable including an outer metallic sheath, at least one metallic conductor therein, and mineral insulation disposed between the outer sheath and the metallic conductor; the improvement wherein the mineral insulation comprises kaolin.

5 2. The improvement according to claim 1, wherein the insulation comprises between 3% and 20% by dry weight of kaolin. *(A)*

10 3. The improvement according to claim 1, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

15 4. The improvement according to claim 1, wherein the insulation comprises between 5 % and 10% by dry weight of kaolin.

5. The improvement according to claim 1, wherein the insulation includes MgO.

20 6. The improvement according to claim 5, wherein the insulation comprises between 3% and 20% by dry weight of kaolin.

7. The improvement according to claim 5, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

8. The improvement according to claim 5, wherein the insulation comprises between 5 % and 5 10% by dry weight of kaolin.

9. A process of making a cable, comprising:

providing an outer metallic sheath;

disposing at least one metallic conductor in the metallic sheath;

10 filling the metallic sheath with mineral insulation including kaolin; and

drawing down the metallic sheath.

10 15 10. The process according to claim 9, wherein the insulation comprises between 3% and 20% by dry weight of kaolin. *A*

11. The improvement according to claim 9, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

12. The improvement according to claim 9, wherein the insulation comprises between 5 % and 20 20 10% by dry weight of kaolin.

13. The process according to claim 9, wherein the insulation includes MgO.

14. The process according to claim 13, wherein the insulation comprises between 3% and 20%
5 by dry weight of kaolin.

15. The improvement according to claim 13, wherein the insulation comprises between 3 % and
10 15% by dry weight of kaolin.

16. The improvement according to claim 13, wherein the insulation comprises between 5 % and
10 10% by dry weight of kaolin.

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